

MnDOT BRIDGE RATING AND LOAD POSTING REPORT
FOR COUNTY AND LOCAL AGENCIES

Bridge Location and Description

Hwy. No. _____	Over <input type="checkbox"/> Under <input type="checkbox"/>	Bridge No. _____
Year Built _____	Year Remodeled _____	Replaces Br. _____
Type _____	County _____	Ref. Pt. _____
Description _____		
Location _____		

Data for Basis of Report (Check all that apply)

NBI Condition Ratings

- ☐ Bridge Inventory File
- ☐ Previous Bridge Rating and Load Posting Report
- ☐ Bridge Plans
- ☐ New ☐ Overlay
- ☐ Repair/Reconstruction _____
- ☐ Other Dead Load Modifications _____
- ☐ Bridge Inspected by _____ Date _____
- ☐ Damaged Component
- ☐ Deteriorated Component _____

Deck _____

Superstructure _____

Substructure _____

ADTT _____

Types of Analysis:

- ☐ Manual ☐ AASHTOWare BrR, V. _____ ☐ Computer* ☐ Other*
- * _____

Method of Rating (Check appropriate box)

- ☐ Load Factor (LF) ☐ Assigned Load Ratings
- ☐ Allowable Stress (AS) ☐ Assigned LRFR
- ☐ Load & Resistance Factor (LRFR)
- ☐ Load Testing
- ☐ Field Eval./Doc. Engineering Judgment

Design Load _____

Design Method _____

Summary of Rating and Load Posting Analysis

Load Posting		Required <input type="checkbox"/> Not Required <input type="checkbox"/>		TONS		Bridge Rating	
Sign						Inventory	Operating
R12-1a <input type="checkbox"/>						HS <input type="checkbox"/>	HS <input type="checkbox"/>
R12-5A <input type="checkbox"/>						RF <input type="checkbox"/> _____	RF <input type="checkbox"/> _____
R12-5 <input type="checkbox"/>		M3	M3S2	M3S3			
R12-X11 <input type="checkbox"/>			45			Overweight Permit Codes	
R11-2a <input type="checkbox"/>		BRIDGE CLOSED				A _____	B _____
						C _____	

I hereby certify that this report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Signature: _____ Date: _____

(Typed or Printed) Name: _____ License No. _____

(Typed or Printed) Employed by (☐Agency/☐Firm): _____

My signature below indicates that I have read and fully agreed with the load rating report.

Program Administrator's Signature: _____ Date: _____

BRIDGE RATING DETAILS

Bridge Type _____

Rating Method _____

Roadway Width _____

☐ Curved

☐ Tapered

Beam Spacing _____

☐ Live Load Distribution Factor

Single _____ Multiple _____

☐ Finite/Grid Element Analysis

Bridge No. _____

Design Load: _____

Inventory Rating: _____

Operating Rating: _____

Rated _____ Checked _____

Date _____

Sheet _____ of _____

BEAM ELEVATION ²

Show span lengths, structure/beam depths.

Truck	Rating Factor	Span/ Pier	Location	Limit State ¹	Notes/Comments
<input type="checkbox"/> HS20 <input type="checkbox"/> HL93 Inventory					
<input type="checkbox"/> HS20 <input type="checkbox"/> HL93 Operating					
Post, M3					
Post, M3S2					
Post, M3S3					
Type SU4					
Type SU5					
Type SU6					
Type SU7					

1 Choose from: service or ultimate; shear or moment

2 Elevation may be on back or another sheet if it won't fit here.

FORM RD-CL Revised Dec. 2015		BRIDGE RATING DETAILS			
Annual/Routine Permit	No Restriction	Straddle Two Lanes	5% Impact	Notes/Comments	
	Rating Factor	Rating Factor	Rating Factor		
STD. A					
STD. B					
STD. C					
6-axle, 90k-99k					
7-axle, 97k-99k					
Special/Single Permit	No Restriction	Straddle Two Lanes	5% Impact	Notes/Comments	
	Rating Factor	Rating Factor	Rating Factor		
P411		**			
P413		**			
C152		**			
C174b		**			
C214b		**			
C237b		**			
C256b		**			
CPM200j		**			
OVERWEIGHT PERMIT RESTRICTIONS FOR LOCAL BRIDGES					
Restriction Code	Restriction Description	Special/Single Permit	Annual/Routine Permit	Detailed Restriction Description	Bridge Check Operation
1	None	YES	YES	No Restriction to cross bridge	Normal
2	Straddle Two Lanes	YES	YES	Drive on the centerline between two lanes, in a manner that prevents any other vehicle from occupying a part of either lane on either side of the permit vehicle. Drive in the center of a single lane bridge.	The AASHTO "Single Lane" live load distribution is used. <i>This operation applies to all permit vehicles when performing LFR method or only to annual permit vehicles when performing LRFR method.</i>
3	Maximum speed of 10 mph	YES ①	YES ①	Drive at a speed of 10 mph or less	The impact factor is reduced from the AASHTO impact to 5%
X	DENIED	YES	YES	The overweight permit vehicle is NOT ALLOWED on this bridge	Used when requirements for restriction 1 thru 3 are not met
① Not allowed where there is a posted minimum speed. ** "N/A", Does not apply when performing LRFR method, ref. AASHTO MBE Table 6A.4.5.4.2a-1					